

Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

Claims 1-11 (canceled).

12. (currently amended) An ink-jet recording device comprising:

a multi-nozzle recording head having nozzles, through which ink is fired ;

a recording medium heating unit for heating a printed surface of a recording medium without contacting the printed surface of the recording medium, and said heating unit extending along a direction along which the nozzles of said recording head are arranged, and said heating unit having a heating range, the width of which is wider than the width of a printing range of the recording medium,

wherein said multi-nozzle recording head has a plurality of nozzles arranged in a density in a range between 400 and 2400 dpi so as to cover the printing range of the recording medium,
and

wherein said multi-nozzle recording head has a long dimension so as to cover the printing range of the recording medium which is conveyed by a conveyance unit to a position at which the nozzle surface of said recording head faces said recording medium.

Claim 13 (canceled).

14. (currently amended) An ink-jet recording device comprising:

a head unit having a plurality of multi-nozzle recording heads, each of said recording heads having nozzles, through which ink is fired on to a recording medium;

a recording medium heating unit for heating a printed surface of the recording medium without contacting the printed surface of the recording medium, and said heating unit extending along a direction along which the nozzles of said recording heads are arranged, and said heating unit having a heating range, the width of which is wider than the width of a printing range of the recording medium,

wherein said plurality of multi-nozzle recording heads have a plurality of nozzles arranged in a density in a range between 400 and 2400 dpi so as to cover the printing range of the recording medium, and

wherein said head unit having a plurality of multi-nozzle recording heads has a long dimension so as to cover the printing range of the recording medium which is conveyed by a conveyance unit to a position at which the nozzle surfaces of said recording heads face said recording medium.

15. (previously presented) The ink-jet recording device as claimed in claim 12, further comprising a rear heating unit provided on the rear side of the recording medium, having a heating range, the width of which is wider than the width of printing range of the recording medium.

Claim 16 (canceled).

17. (previously presented) The ink-jet recording device as claimed in claim 14, further comprising a rear heating unit provided on the rear side of the recording medium, having a heating range extending along the direction along which the nozzles of said recording head are

arranged, the width of the heating range being wider than the width of printing range of the recording medium.

18. (currently amended) An ink-jet recording device comprising:

a multi-nozzle recording head having nozzles, through which ink is fired;

a recording medium heating unit for heating a printed surface of a recording medium without contacting the printed surface of the recording medium, and said heating unit extending along a direction along which the nozzles of said recording head are arranged, and said heating unit having a heating range, the width of which is wider than the width of a printing range of the recording medium; and

a rear heating unit provided on the rear side of the recording medium, having a heating range, the width of which is wider than the width of the printing range of the recording medium, wherein said rear heating unit heats the rear side of the recording medium, and wherein said rear heating unit's surface contacts the recording medium.

Claim 19 (canceled).

20. (currently amended) An ink-jet recording device comprising:

a head unit having a plurality of multi-nozzle recording heads, each of said recording heads having nozzles, through which ink is fired on to a recording medium;

a recording medium heating unit for heating a printed surface of the recording medium without contacting the printed surface of the recording medium, and said heating unit extending along a direction along which the nozzles of said recording heads are arranged, and said heating

unit having a heating range, the width of which is wider than the width of a printing range of the recording medium; and

a rear heating unit provided on the rear side of the recording medium, having a heating range extending along the direction along which the nozzles of said recording head are arranged, the width of the heating range being wider than the width of printing range of the recording medium,

wherein said rear heating unit heats the rear side of the recording medium, and

wherein said rear heating unit's surface contacts the recording medium.

21. (previously presented) The ink-jet recording device as claimed in claim 12, wherein said heating unit has a light source and an optical system condensing the light emitted by said light source.

Claim 22 (canceled).

23. (previously presented) The ink-jet recording device as claimed in claim 14, wherein said heating unit has a light source and an optical system condensing the light emitted by said light source.

24. (previously presented) An ink-jet recording device comprising:
a multi-nozzle recording head having nozzles, through which ink is fired;
a recording medium heating unit for heating a printed surface of ~~the~~ a recording medium without contacting the printed surface of the recording medium, and said heating unit extending

along a direction along which the nozzles of said recording head are arranged, and said heating unit having a heating range, the width of which is wider than the width of a printing range of the recording medium; and

a rear heating unit provided on the rear side of the recording medium, having a heating range, the width of which is wider than the width of the printing range of the recording medium,

wherein said rear heating unit heats the rear side of the recording medium, and

wherein said heating unit heats the recording medium through a conveyance unit which conveys the recording medium to a position at which the nozzle surface of said recording head faces the recording medium.

25. (previously presented) An ink-jet recording device comprising:

a head unit having a plurality of multi-nozzle recording heads, each of said recording heads having nozzles, through which ink is fired on to a recording medium;

a recording medium heating unit for heating a printed surface of the recording medium without contacting the printed surface of the recording medium, and said heating unit extending along a direction along which the nozzles of said recording heads are arranged, and said heating unit having a heating range, the width of which is wider than the width of a printing range of the recording medium; and

a rear heating unit provided on the rear side of the recording medium, having a heating range extending along the direction along which the nozzles of said recording head are arranged, the width of the heating range being wider than the width of printing range of the recording medium,

wherein said rear heating unit heats the rear side of the recording medium, and

wherein said heating unit heats the recording medium through a conveyance unit which conveys the recording medium to a position at which the nozzle surface of said recording head faces the recording medium.